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APPLICATION NO.		FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/722,570	22,570 11/28/2003		Todd A. Simpson	9351-287	4949
1059	7590	01/05/2006		EXAMINER	
BERESKI			ELVE, MARIA ALEXANDRA		
40 KING S BOX 401	TREET W	/EST	ART UNIT	PAPER NUMBER	
TORONTO	O, ON M	5H 3Y2	1725		
CANADA			DATE MAILED: 01/05/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
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Office Action Summary	10/722,570	SIMPSON ET AL.				
Office Action Summary	Examiner	Art Unit				
TI. MAN WO DATE AND	M. Alexandra Elve	1725				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim rill apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONEI	l. lely filed the mailing date of this communication. O (35 U.S.C. § 133).				
Status						
Responsive to communication(s) filed on 2a) ☐ This action is FINAL. 2b) ☒ This 3) ☐ Since this application is in condition for allowar closed in accordance with the practice under E	_ action is non-final. nce except for formal matters, pro					
Disposition of Claims						
4) ☐ Claim(s) 1-18 is/are pending in the application. 4a) Of the above claim(s) is/are withdrav 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-18 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or	vn from consideration.					
Application Papers						
9) The specification is objected to by the Examine 10) The drawing(s) filed on 26 April 2004 is/are: a) Applicant may not request that any objection to the concept that any object that any object that any object to by the Examine.	☑ accepted or b)☐ objected to be drawing(s) be held in abeyance. See son is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s) 1) ☑ Notice of References Cited (PTO-892) 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) ☑ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 12/3/04, 1/15/04.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal Pa					

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DETAILED ACTION

Claim Objections

Claim 2 is objected to because of the following informalities: line 1: "claim 1 wherein" and line 2 "frther". Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-18 are rejected under 35 U.S.C. 102(b) as being anticipated by Meltser et al. (USPN 5,763,113).

Meltser et al. discloses a method and apparatus for monitoring the hydrogen and oxygen PEM fuel cell. Outputs from a cell/stack voltage monitor and a cathode exhaust gas H2 sensor are corrected for stack operating conditions and then compared to predetermined levels of acceptability. If certain unacceptable conditions coexist, corrective measures are automatically undertaken. A drop in voltage signals water flooding. Corrective action may entail a decrease in hydrogen supply or an increase in cathode supply. Hydrogen and oxygen are supplied to the cell in separate flow channels. Additionally an exhaust manifold is present for anode and cathode exhausts. Monitoring includes voltage measurements, a computer (controller). Corrected concentrations are compared to calibration constants to determine if conditions are back

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to normal. (abstract, figures, col. 1, lines 30-67, col. 2, lines 1-67, col. 3, lines 4-46, col. 4, lines 18-65, col. 5, lines 5-40, col. 7, lines 15-67, col. 8, lines 4-39)

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. See US PTO-892.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to M. Alexandra Elve whose telephone number is 571-272-1173. The examiner can normally be reached on 6:30-3:00 Monday to Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tom Dunn can be reached on 571-272-1171. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

December 4, 2005.

M. Alexandra Elve Primary Examiner 1725